

Amendments to and Listing of the Claims:

Please amend claim 61, without prejudice or disclaimer, as set forth in the following listing of claims, which replaces any prior listing of claims:

1. – 32. (Cancelled)

33. (Previously presented) An isolated protein having the amino acid sequence SEQ ID NO:23.

34. (Previously presented) A mature, processed form of the isolated protein of claim 33, having the amino acid sequence SEQ ID NO:35.

35. – 48. (Cancelled)

49. (Previously presented) A pharmaceutical composition comprising the isolated protein of claim 33 and a pharmaceutically-acceptable carrier, diluent, or excipient.

50. (Previously presented) The pharmaceutical composition of claim 49 which is immunogenic.

51. (Previously presented) A pharmaceutical composition comprising the isolated protein of claim 34 and a pharmaceutically-acceptable carrier, diluent, or excipient.

52. (Previously presented) The pharmaceutical composition of claim 51 which is immunogenic.

53. (Cancelled)

54. (Previously Presented) A pharmaceutical composition comprising the isolated protein variant of claim 59 and a pharmaceutically-acceptable carrier, diluent, or excipient.

55. (Previously presented) The pharmaceutical composition of claim 54 which is immunogenic.

56. (Cancelled)

57. (Previously Presented) A pharmaceutical composition comprising the isolated protein of claim 60 and a pharmaceutically-acceptable carrier, diluent, or excipient.

58. (Previously presented) The pharmaceutical composition of claim 57 which is immunogenic.

59. (Previously Presented) An isolated protein variant of SEQ ID NO:23 or SEQ ID NO:35 comprising at least one conservative amino acid substitution in a variable region of SEQ ID NO:23 or SEQ ID NO:35, wherein the isolated protein variant is immunogenic.

60. (Previously Presented) An isolated protein comprising at least one deletion of a non-conserved amino acid in a variable region of SEQ ID NO:23 or SEQ ID NO:35, wherein the isolated protein is immunogenic.

61. (Currently Amended) An isolated protein having at least 90% sequence identity to SEQ ID NO:23 or SEQ ID NO:35, wherein ~~the isolated protein~~ one or more variable regions of is not a wild-type NhhA polypeptide are absent and wherein the isolated protein is immunogenic.

62. (Cancelled)